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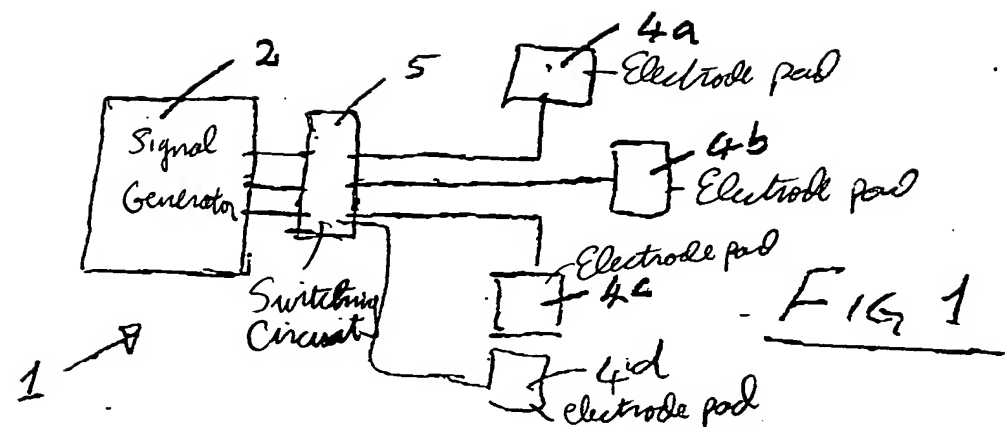


Fig. 2(a)

AMPLITUDE  
OF PULSE

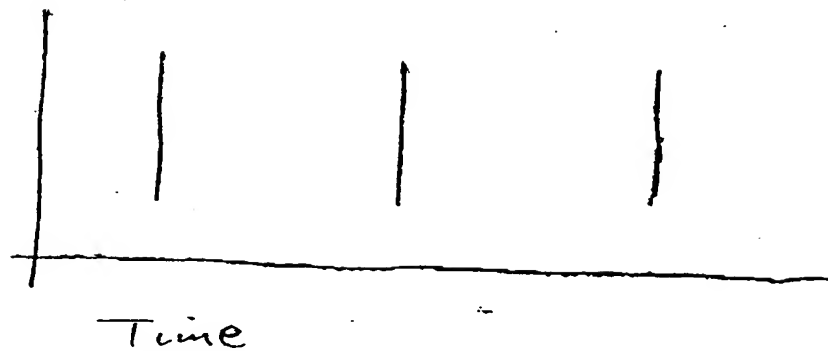


Fig. 2(b)

AMPLITUDE  
OF PULSE

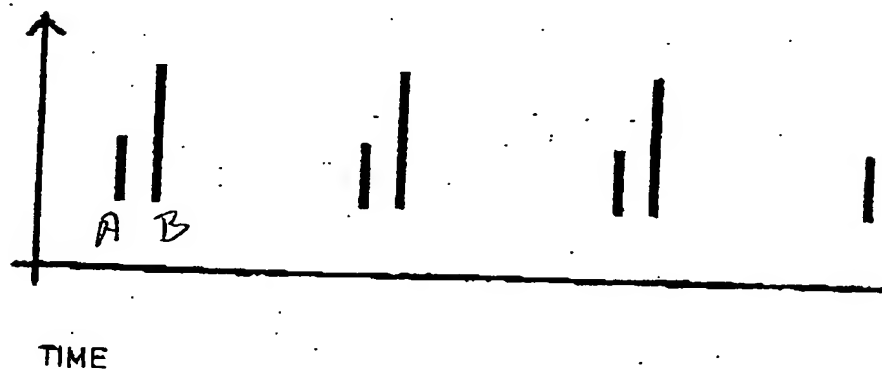


Fig. 2(c)

AMPLITUDE  
OF PULSE

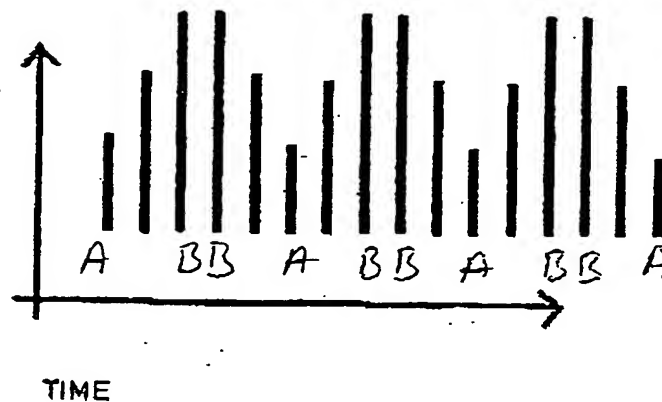
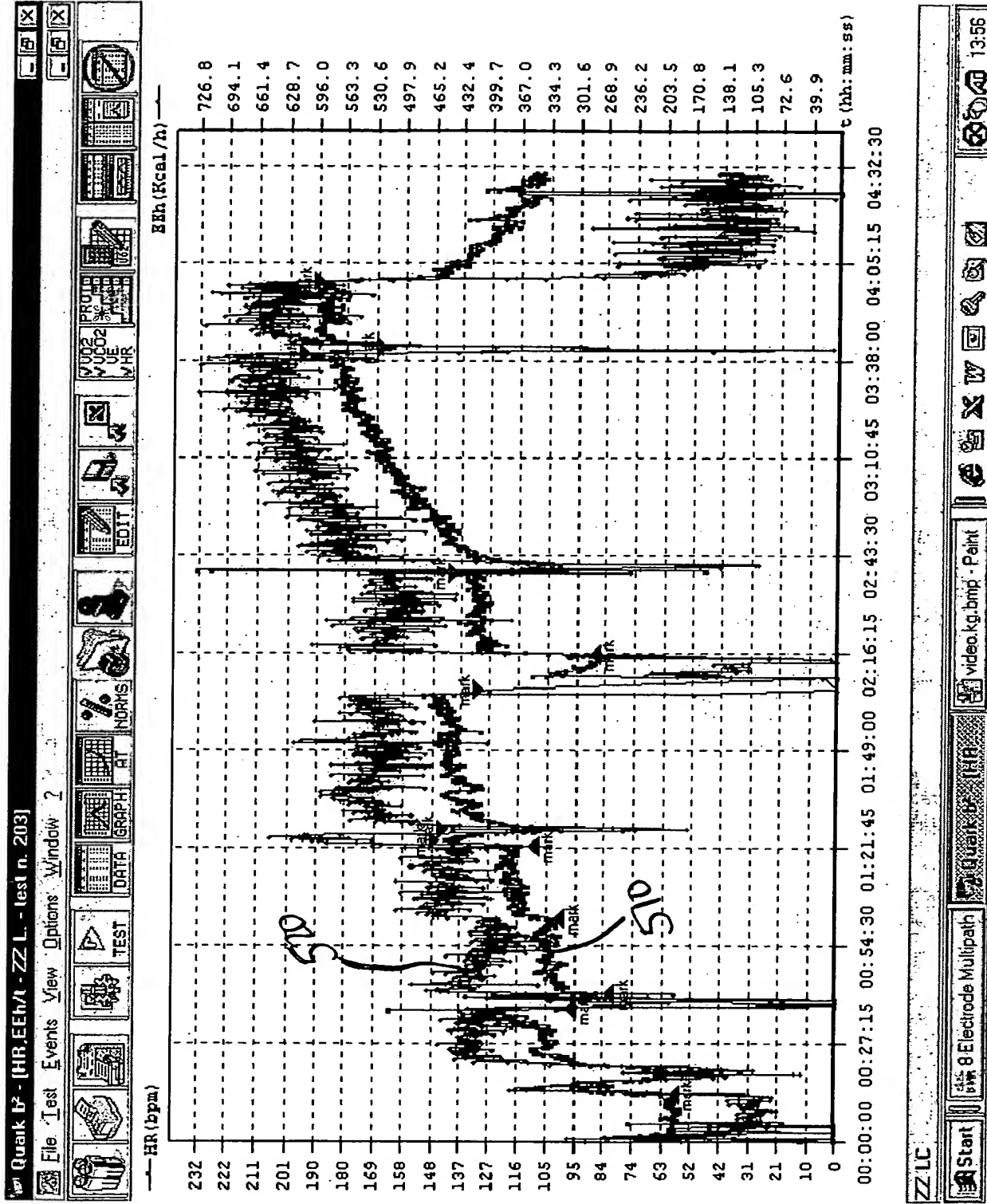


FIG. 3a and FIG. 3b are schematic diagrams of a lower limb, likely a leg, showing the placement of various sensor pads. FIG. 3a is a side view of the leg, and FIG. 3b is a front view. The diagrams illustrate the locations of the Gluteal pad, Hamstring pad, Quadriceps pad, and Inguinal crease pad. The leg is divided into sections labeled 4a, 4b, 4c, and 4d. Arrows indicate the direction of movement or force applied to the pads. The Inguinal crease pad is located at the top of the leg, near the hip. The Quadriceps pad is located on the front of the thigh. The Hamstring pad is located on the back of the thigh. The Gluteal pad is located on the back of the hip. The leg is shown in a standing position, with the foot on the ground. The diagrams are labeled FIG. 3a and FIG. 3b.





The figure displays a graph from the Quark B2 software. The left y-axis represents Heart Rate (HR) in beats per minute (bpm), ranging from 0 to 185. The right y-axis represents Energy Expenditure (EEh) in Kcal/h, ranging from 45.4 to 999.9. The x-axis represents time, with labels at 00:00, 04:00, 08:00, 12:00, 16:00, 20:00, 24:00, 28:00, 32:00, 36:00, 40:00, 44:00, 48:00, 52:00, 56:00, and 00:00. The HR data is plotted as a dense, noisy line with many vertical spikes. The EEh data is plotted as a line with several sharp peaks. Handwritten annotations include 'REST' at approximately 04:00, '530' at approximately 12:00, and '540' at approximately 16:00. The software interface includes a menu bar (File, Test, Events, View, Options, Window, ?) and a toolbar with various icons for data manipulation and analysis.

Fig. 5b

1	Port	Time1	Time2	Time3	Time4
	A	hi	hi	hi	hi
	B	lo	lo	lo	x
	C	x	x	hi	x
	D	hi	x	x	lo
	time	100	100	300	125

2	Port	Time1	Time2	Time3	Time4
	A	hi	hi	hi	hi
	B	x	lo	lo	x
	C	x	x	hi	x
	D	lo	x	x	lo
	time	100	100	300	125

3	Port	Time1	Time2	Time3	Time4
	A	hi	hi	hi	hi
	B	x	lo	lo	x
	C	x	x	hi	x
	D	lo	x	x	lo
	time	50	100	350	125

4	Port	Time1	Time2	Time3	Time4
	A	x	hi	hi	hi
	B	hi	lo	lo	x
	C	lo	x	hi	x
	D	x	x	x	lo
	time	100	200	225	100

5	Port	Time1	Time2	Time3	Time4
	A	x	hi	hi	hi
	B	hi	lo	lo	x
	C	lo	x	hi	x
	D	x	x	x	lo
	time	75	200	275	75

6	Port	Time1	Time2	Time3	Time4
	A	lo	x	hi	hi
	B	hi	hi	lo	x
	C	x	lo	hi	x
	D	hi	x	x	lo
	time	250	50	250	100

7	Port	Time1	Time2	Time3	Time4
	A	x	hi	hi	hi
	B	hi	lo	lo	x
	C	lo	x	hi	x
	D	x	x	x	l
	time	75	200	275	150

8	Port	Time1	Time2	Time3	Time4
	A	hi	hi	hi	hi
	B	x	lo	lo	x
	C	x	x	hi	x
	D	lo	x	x	lo
	time	50	100	300	125

9	Port	Time1	Time2	Time3	Time
	A	hi	hi	hi	x
	B	lo	lo	lo	lo
	C	x	x	hi	hi
	D	x	x	x	x
	time	150	150	150	100

FIG. 6